

Notice of Allowability	Application No.	Applicant(s)	
	09/922,440	LAHTENMAKI, MARKKU	
	Examiner	Art Unit	
	Minh Dieu Nguyen	2137	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to December 29, 2005.
2. ☒ The allowed claim(s) is/are 1-7,9-26 and 28-36.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|---|---|

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Steven Funk on 2/22/06.

2. The application has been amended as follows:

In claim 1

"enrolling the user with the targeted service via the enrollment module when the network connection is directed to the enrollment module."

has been changed to

--enrolling the user with the targeted service via the enrollment module when the network connection is directed to the enrollment module; and
automatically directing the network connection to the targeted service in response to the enrollment.--

In claim 16

"a switch module coupled to receive a security certificate utilized by the wireless terminal in establishing a connection therewith, wherein the switch module directs the connection to either the service module or the enrollment manager depending on the security certificate utilized in establishing the connection, wherein the enrollment manager is configured to issue

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authentication certificates upon successful registration, including a service provider authentication certificate required for use with the secure service.”

has been changed to

--a switch module coupled to receive a security certificate utilized by the wireless terminal in establishing a connection therewith, wherein the switch module directs the connection to either the service module or the enrollment manager depending on the security certificate utilized in establishing the connection, wherein the enrollment manager is configured to issue authentication certificates upon successful registration, including a service provider authentication certificate required for use with the secure service, and wherein at least one of the switch module or the enrollment module automatically directs the network connection to the service module in response to the registration.—

In claim 28

“a network switch coupled to receive an authentication certificate utilized by a wireless terminal in establishing a connection with the network of computing systems, wherein the network switch switches the connection to the server computing system or the enrollment server depending on the authentication certificate utilized by the wireless terminal in establishing the connection, wherein the wireless terminal is enrolled with the secure service via the enrollment server when the network connection is directed to the enrollment server.”

has been changed to

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--a network switch coupled to receive an authentication certificate utilized by a wireless terminal in establishing a connection with the network of computing systems, wherein the network switch switches the connection to the server computing system or the enrollment server depending on the authentication certificate utilized by the wireless terminal in establishing the connection, wherein the wireless terminal is enrolled with the secure service via the enrollment server when the network connection is directed to the enrollment server, and wherein at least one of the network switch or the enrollment server automatically directs the network connection to the service module in response to the enrollment.--

In claim 32

"means for enrolling the user with the targeted service based on the network connection being directed to the enrollment module."

has been changed to

--means for enrolling the user with the targeted service based on the network connection being directed to the enrollment module; and

means for automatically directing the network connection to the targeted service in response to the enrollment.--

In claim 33

"facilitating enrollment of the user with the targeted service via the enrollment module when the network connection is directed to the enrollment module."

has been changed to

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--facilitating enrollment of the user with the targeted service via the enrollment module when the network connection is directed to the enrollment module; and

facilitating automatic redirection of the network connection to the targeted service in response to the enrollment.--

In claim 34

“a compare module coupled to receive an authentication certificate from the wireless terminal corresponding to the highest order authentication certificate available at the wireless terminal based on the preferred order indication, wherein the compare module is configured to compare the received authentication certificate with the plurality of authentication certificates and to direct the connection to either the secure service or an enrollment manager to register for the secure service using a user identity and a private key based on the result of the comparison.”

has been changed to

--a compare module coupled to receive an authentication certificate from the wireless terminal corresponding to the highest order authentication certificate available at the wireless terminal based on the preferred order indication, wherein the compare module is configured to compare the received authentication certificate with the plurality of authentication certificates and to direct the connection to either the secure service or an enrollment manager to register for the secure service using a user identity and a private key based on the result of the comparison, wherein at least one of the compare module or the

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enrollment manager automatically directs the connection to the secure service in response to the enrollment.--

Allowable Subject Matter

3. This action is in response to the communication dated December 29, 2005 with the amendments to claims 1, 9, 16, 28 and 32-33 and the cancellation of claims 8 and 27.

4. Claims 1-7, 9-26 and 28-36 are allowed.

5. The following is an examiner's statement of reasons for allowance:

The present invention is directed to a system and method for automatically switching network connections to an appropriate network entity based on access rights possessed by a user of a wireless terminal. Each independent claim (claims 1, 16, 28 and 32-33) identifies the uniquely distinct features of enrolling the wireless terminal user with the targeted service via the enrollment module when the network connection is directed to the enrollment module and automatically directing the network connection to the targeted service in response to the enrollment. These unique features provide a more efficient and convenient manner of accessing secure services regardless of whether or not the user already has been authenticated and/or authorized to use such services. The closest prior arts of Geiger et al. (6,463,534), Cutaia et al. (2002/0004390), Bisbee et al. (6,367,013) and Rajan et al. (6,633,910) fail to anticipate or render the above limitations obvious.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh Dieu Nguyen whose telephone number is 571-272-3873. The examiner can normally be reached on M-F 6:00-2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on 571-272-3865. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


mdn
2/27/06

Minh Dieu Nguyen
Examiner
Art Unit 2137


EMMANUEL L. MOISE
SUPERVISORY PATENT EXAMINER